

Comparisons of Job Characteristics

Focus Occupation: Etchers and Engravers (51-9194)

Associated Occupation: Jewelers and Precious Stone and Metal Workers (51-9071)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Etchers and Engravers (51-9194)

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Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Production and Processing	6.0	11.4	15.0	>> Current knowledge level is likely more than sufficient
Sales and Marketing	5.2	8.5	7.6	< Expanded education and/or training may be required
Design	5.2	8.4	10.0	> Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 76

Focus Occupation: Etchers and Engravers (51-9194)

Associated Occupation: Jewelers and Precious Stone and Metal Workers (51-9071)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Quality Control Analysis	5.9	9.0	8.0	< A higher skill level may be required
Operations Analysis	5.0	6.8	5.1	<< Extensive development of skills in this area may be required
Equipment Selection	3.3	5.4	4.4	< A higher skill level may be required
Management of Financial Resources	3.3	4.9	2.0	<< Extensive development of skills in this area may be required
Management of Material Resources	3.7	4.9	2.2	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 89

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Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Near Vision	11.1	16.7	11.6	<<	Extensive improvement in abilities may be required
Arm-Hand Steadiness	6.8	15.0	12.1	<	Some improvement in abilities may be required
Finger Dexterity	7.6	14.5	10.7	<<	Extensive improvement in abilities may be required
Control Precision	6.6	11.3	11.2	0	Current ability level may be sufficient
Manual Dexterity	6.5	10.4	10.2	0	Current ability level may be sufficient
Visual Color Discrimination	6.4	10.1	6.1	<<	Extensive improvement in abilities may be required
Flexibility of Closure	7.8	9.8	7.4	<<	Extensive improvement in abilities may be required
Wrist-Finger Speed	3.2	5.5	5.2	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Etchers and Engravers (51-9194)

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Work Activities	Exclusivity of Activity
Cast metal objects	89
Compute production, construction, or installation specifications	58
Engrave variety of materials and products	95
Examine products or work to verify conformance to specifications	15
Fabricate, assemble, or disassemble manufactured products by hand	11
Hand carve objects from stone or other materials	87
Make independent judgment in assembly procedures	64
Measure, weigh, or count products or materials	17
Operate metal or plastic fabricating equipment/machinery	54
Precision cast patterns, molds, or dies	92
Read technical drawings	7
Use engraving techniques	89
Use hand or power tools	2
Use precision measuring tools or equipment	17

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Etchers and Engravers (51-9194)

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Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.	
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.